Claims

1.   A imaging device comprising:

photographing means for outputting photographed image as image data;

size-of-image-to-be-displayed adjusting means for performing image size adjusting processing by a linear interpolation on the image data outputted from said photographing means to produce image data to be displayed and outputted;

size-of-image-to-be-recorded adjusting means for performing image size adjusting processing by a curve interpolation on the image data outputted from said photographing means to produce image data to be recorded on a recording medium;

display data output means for outputting the image data, which has been subjected to the image size adjustment by said size-of-image-to-be-displayed adjusting means, for display; and

recording means for recording the image data, which has been subjected to the image size adjustment by said size-of-image-to-be-recorded adjusting means, in said recording medium.

2.   The imaging device according to claim 1, wherein said size-of-image-to-be-displayed adjusting means and said size-of-image-to-be-recorded adjusting means use a line memory, which is used for the image size adjusting processing by the linear interpolation and the image size adjusting processing by the curve interpolation, in common.

3.   The imaging device according to claim 1, wherein

said size-of-image-to-be-recorded adjusting means, in the

case of interpolating the supplied image data into N/M (Here, M

and N are mutually prime and positive numbers), performs

filtering having a characteristic in which n/M ($n=1,2,...,M-1$),

k/N ($k=1,2,...,N-1$) on a frequency axis are zero, so as to

execute the curve interpolation.